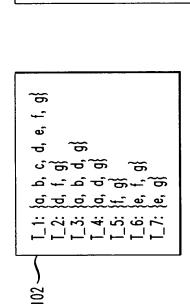
FIG. 1

EXAMPLE FOR DEPENDENCY (50% AS THRESHOLD) {ag}



COUNT	~	2	-	~	3	4	7	

ð

COUNT	2	3	1	1	3	•••		, o
PATTERNS	qp	ро	ap	af	gg .	•••		
							1	

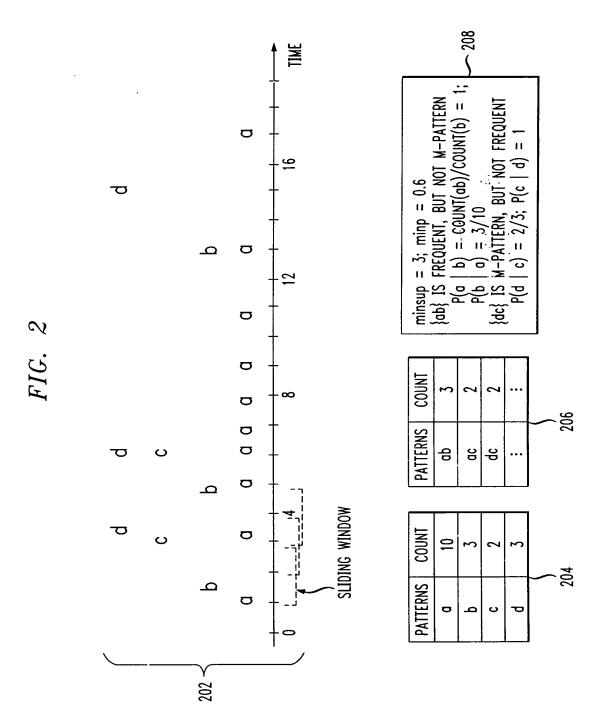
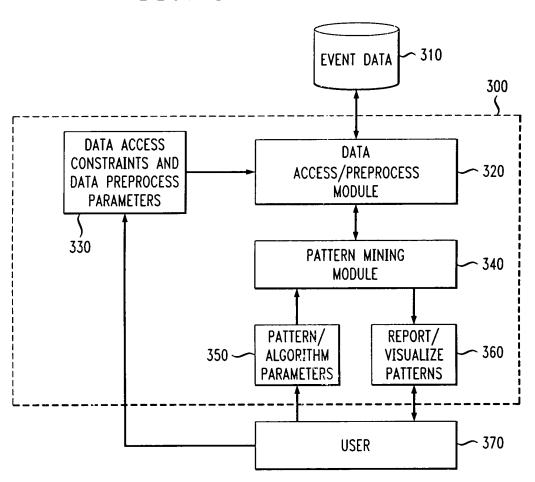
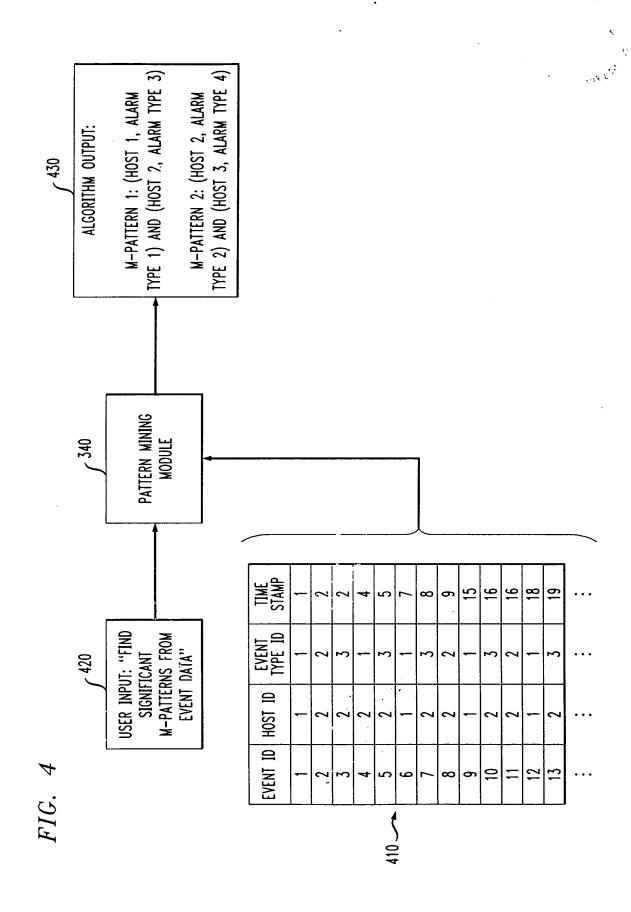


FIG. 3





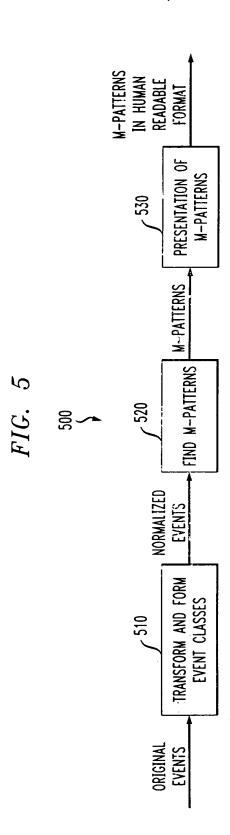


FIG. 6

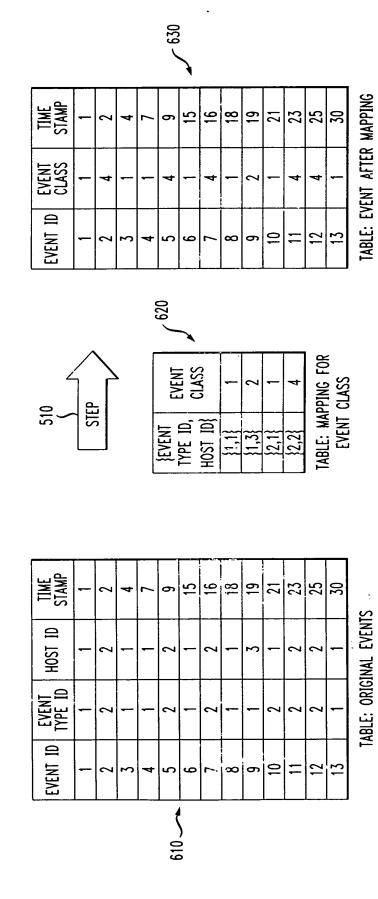


FIG. 7

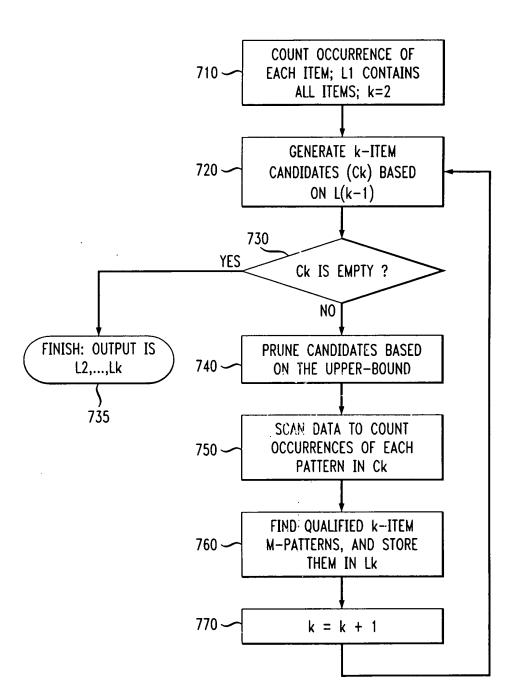


FIG. 8A

- INPUT: A SET OF CANDIDATES Ck, COUNT INFORMATION AT ALL PREVIOUS LEVELS, AND A THRESHOLD minp
- OUTPUT: A SET OF PRUNED CANDIDATES C'k
- ALGORITHM
 - For each pattern pat in Ck
 - ► For each item a in pat
 - Compute: prob = Count(pat-a)/Count(a);
 - if prob < minp
 - -Ck = Ck-pat
 - break the for-loop
 - Return Ck

FIG. 8B

- INPUT: PATTERN pat, ALL COUNT INFORMATION, AND A THRESHOLD minp
- ullet OUTPUT: TRUE IF pat IS A QUALIFIED M-PATTERN; OTHERWISE FALSE.
- ALGORITHM
 - ullet For each a in pat
 - prob = Count(pat)/Count(a)
 - ▶ if prob < minp
 - return false
 - Return true
- This algorithm is O(k)

